

Course duration

- 3 days

Course Benefits

- Learn the benefits of CSS.
- Learn to avoid using deprecated HTML tags and attributes.
- Learn CSS syntax.
- Learn to use <div> and tags appropriately.
- Learn all the common CSS properties and their values.
- Learn to use CSS resets and normalizers.
- Learn best practices for choosing units of measurement.
- Learn how to select CSS fonts and to download and use new fonts.
- Learn about color and opacity and to create backgrounds.
- Learn to work with borders, margin, and padding (the box model).
- Learn to style tables with CSS.
- Learn to use positioning.
- Learn to use transforms and transitions rotate, scale, and skew elements and create animations.
- Learn about flex, grid, and multi-column layouts.
- Learn to style lists and create drop-down and fly-out navigation menus.
- Learn to use media queries to style pages for different device sizes and media.

Available Delivery Methods

Public Class

Public expert-led online training from the convenience of your home, office or anywhere with an internet connection. Guaranteed to run .

Private Class

Private classes are delivered for groups at your offices or a location of your choice.

Self-Paced

Learn at your own pace with 24/7 access to an On-Demand course.

Course Outline

1. Crash Course in CSS

1. Benefits of Cascading Style Sheets
 2. CSS Rules
 1. CSS Comments
 3. Selectors
 1. Type Selectors
 2. Class Selectors
 3. ID Selectors
 4. Attribute Selectors
 5. The Universal Selector
 6. Grouping
 4. Combinators
 1. Descendant Combinators
 2. Child Combinators
 3. General Sibling Combinators
 4. Adjacent Sibling Combinators
 5. Precedence of Selectors
 6. How Browsers Style Pages
 7. CSS Resets
 8. CSS Normalizers
 9. External Stylesheets, Embedded Stylesheets, and Inline Styles
 1. External Stylesheets
 2. Embedded Stylesheets
 3. Inline Styles
 10. Exercise: Creating an External Stylesheet
 11. Exercise: Creating an Embedded Stylesheet
 12. Exercise: Adding Inline Styles
 13. <div> and
 14. Exercise: Divs and Spans
 15. Media Types
 16. Units of Measurement
 1. Absolute vs. Relative Units
 2. Pixels
 3. Ems and Rems
 4. Percentages
 5. Other Units
 17. Inheritance
 1. The inherit Value
- ## 2. CSS Fonts
1. font-family
 1. Specifying by Font Name
 2. Specifying Font by Category
 2. @font-face
 1. Getting Fonts
 3. font-size
 1. Relative font-size Terms
 2. Best Practices
 4. font-style

- 5. font-variant
- 6. font-weight
- 7. line-height
- 8. font
- 9. Exercise: Styling Fonts
- 3. Color and Opacity
 - 1. About Color and Opacity
 - 2. Color and Opacity Values
 - 1. Color Keywords
 - 2. RGB Hexadecimal Notation
 - 3. RGB Functional Notation
 - 4. HSL Functional Notation
 - 3. color
 - 4. opacity
 - 5. Exercise: Adding Color and Opacity to Text
- 4. CSS Text
 - 1. letter-spacing
 - 2. text-align
 - 3. text-decoration
 - 4. text-indent
 - 5. text-shadow
 - 6. text-transform
 - 7. white-space
 - 8. word-break
 - 9. word-spacing
 - 10. Exercise: Text Properties
- 5. Borders, Margins, and Padding
 - 1. The CSS Basic Box Model
 - 2. Introduction to using Google Chrome DevTools with CSS
 - 3. Padding
 - 4. Margin
 - 5. Border
 - 1. border-width
 - 2. border-style
 - 3. border-color
 - 4. border-radius
 - 6. box-sizing
 - 7. box-shadow
 - 8. Exercise: Borders, Margin, and Padding
- 6. Backgrounds
 - 1. background-color
 - 2. background-image
 - 3. background-repeat
 - 4. overflow
 - 5. background-attachment
 - 6. background-position
 - 1. Keywords

- 2. Coordinates
- 7. Creating a "hint" Class
- 8. background-size
- 9. background-origin
- 10. background-clip
- 11. Modifying the "hint" Class
- 12. background
- 13. Exercise: Backgrounds
- 7. Display and Visibility
 - 1. display
 - 2. visibility
- 8. Pseudo-classes and Pseudo-elements
 - 1. Pseudo-classes
 - 2. Styling Links with Pseudo-classes
 - 3. Styling Tables and Articles with Pseudo-classes
 - 1. :nth-child()
 - 4. Pseudo-elements
 - 1. content
 - 5. Using Pseudo-elements
- 9. Styling Tables with CSS
 - 1. A Review of HTML table Elements and Attributes
 - 1. Spanning Columns and Rows
 - 2. CSS Properties and Styling Tables
 - 1. table-layout
 - 2. border-collapse
 - 3. Exercise: Styling a Table Exercise
- 10. Positioning
 - 1. Normal Flow
 - 2. position
 - 1. Positioning with top, bottom, left, and right
 - 3. z-index
 - 4. float and clear
 - 1. float
 - 2. clear
 - 3. float, clear, and ::after
 - 5. Exercise: Positioning
- 11. Transforms and Transitions
 - 1. transition
 - 1. transition-property
 - 2. transition-duration
 - 3. transition-timing-function
 - 4. transition-delay
 - 5. transition
 - 2. transform
 - 1. Rotation
 - 2. Scale
 - 3. Skew

4. Translate
3. Exercise: Transforms and Transitions
12. Layouts
 1. Introduction to Flexible Box Layout Module
 1. Some Flexbox Properties
 2. Introduction to Grid Layout
 1. Some Grid Properties
 3. Multi-column Layout
 4. Exercise: Layouts
13. CSS Lists as Hierarchical Navigation
 1. Exercise: Basic Vertical Navigation Bars
 2. Dynamic Drop-down and Fly-out Navigation Bars
 3. Exercise: Basic Drop-down Menu
 4. Exercise: Basic Fly-out Menu
 5. Exercise: CSS List Menus
14. Media Queries
 1. What Are Media Queries?
 1. Breakpoints
 2. Media Types
 3. Syntax
 2. Font Awesome
 1. Finding and Using Icons
 3. Exercise: Breakpoints
 4. Exercise: Targeting Print

Class Materials

Each student will receive a comprehensive set of materials, including course notes and all the class examples.

Class Prerequisites

Experience in the following *is required* for this CSS class:

- HTML

Prerequisite Courses

Courses that can help you meet these prerequisites:

- [Introduction to HTML Training - old](#)

Follow-on Courses

- [Introduction to JavaScript Training](#)